IN THE CLAIMS:

1. (Currently Amended) A method to control a relative position between a surface and a body to form a pattern in said surface, said pattern comprising a plurality of protrusions and recessions, said method comprising:

sensing said relative position between said surface and said body; and

moving said body to obtain a desired spatial relationship ~~to define a gap therebetween~~ between said surface and said body while minimizing undesirable dimensional variations ~~in said gap~~ between said surface and said plurality of protrusions and said surface and said plurality of recessions.

2. (Currently Amended) The method as recited in claim 1 wherein said body extends in a first plane and said surface extends in a second plane, wherein moving further includes positioning said ~~body~~ first plane ~~to extend~~ parallel to said ~~surface~~ second plane.

3. (Currently Amended) The method as recited in claim 1 wherein sensing further includes detecting a fringe pattern produced by light impinging upon an interface of said body with said surface.

4. (Currently Amended) The method as recited in claim 1 wherein said body is coupled to be displaced along two orthogonal axes with a portion of said surface extending substantially parallel to a plane lying in said

two orthogonal axes, wherein **[[where]]** moving further includes displacing said body to lie parallel to said plane.

5. (Original) The method as recited in claim 1 further including coupling said body to move about first and second axes and decoupling movement of said body about said first and second axes so that movement about one of said first and second axes is substantially independent of movement about the remaining of said first and second axes.

6. (Currently Amended) The method as recited in claim 1 wherein said body is coupled to be displaced along two orthogonal axes, wherein moving further includes causing said body to undergo a displacement with respect to a subset of said two orthogonal axes, with said displacement being selected from a set of movements consisting of translation and rotation.

7. (Currently Amended) The method as recited in claim 1 further includes mounting said body to a flexure system having first and second axes of rotation and mounting said flexure ~~member~~ system to an actuation system ~~coupled to said flexure system~~ and moving said body with said actuation system to arrange said body to be substantially parallel to a portion of said surface in superimposition therewith.

8. (Original) The method as recited in claim 1 further including disposing a formable material on said

surface and contacting said formable material with said body and measuring a force of said contact.

9. (Currently Amended) The method as recited in claim 1 wherein said body lies in a first plane and a portion of said surface lies in a second plane, with moving further including contacting said surface with said body and ~~moving said body to be substantially~~ positioning said first plane parallel to ~~a portion of said surface in superimposition therewith~~ said second plane before contacting said surface with said body.

10. (Currently Amended) A method to control a relative position between a surface and a body to form a pattern in said surface, said pattern comprising a plurality of protrusions and recessions, said method comprising:

sensing said relative position between said surface and said body;

moving said body to obtain a desired spatial relationship between said surface and said body while minimizing undesirable dimensional variations between said surface and said plurality of protrusions and said surface and said plurality of recessions; and

after moving said body to obtain said desired spatial relationship, contacting said surface with said body.

11. (Currently Amended) The method as recited in claim 10 wherein sensing further includes detecting a fringe pattern produced by light impinging upon said body and said surface to sense said relative position.

12. (Currently Amended) The method as recited in claim 10 wherein said body extends in a first plane and a portion of said surface extends in a second plane, with moving further includes positioning said ~~body to extend~~ first plane parallel to ~~a portion of said surface said in superimposition therewith said surface~~ said second plane.

13. (Currently Amended) The method as recited in claim 10 wherein said body is coupled to be displaced along two orthogonal axes with a portion of said surface extending substantially parallel to a plane lying in said two orthogonal axes, wherein **[[where]]** moving further includes displacing said body to lie parallel to said plane.

14. (Original) The method as recited in claim 10 further including coupling said body to move about first and second axes and decoupling movement of said body about said first and second axes so that movement about one of said first and second axes is substantially independent of movement about the remaining of said first and second axes.

15. (Currently Amended) The method as recited in claim 10 wherein said body is coupled to be displaced along two orthogonal axis, wherein moving further includes causing said body to undergo a displacement with respect to a subset of two orthogonal axes, with said displacement being selected from a set of movements consisting of translation and rotation.

16. (Currently Amended) The method as recited in claim 10 further including mounting said body to a flexure system having a **[[first]]** flexure member defining first and second axes of rotation and mounting said flexure ~~member~~ system to an actuation system ~~coupled to said flexure system~~ and moving said body with said actuation system body arrange said body to be substantially parallel to a portion of said surface in superimposition therewith.

17. (Currently Amended) A method to control a relative position between a surface and a body to form a pattern in said surface, said pattern comprising a plurality of protrusions and recessions, said method comprising:

sensing said relative position between said surface and said body by detecting a fringe pattern produced by light impinging upon said body and said surface; and

moving said body to obtain a desired spatial relationship ~~to define a gap therebetween~~ between said surface and said body while ~~undesirable~~ minimizing undesirable dimensional variations ~~in said gap~~ between said surface and said plurality of protrusions and said surface and said plurality of recessions.

18. (Currently Amended) The method as recited in claim 17 wherein said body is coupled to be displaced along two orthogonal axes with a portion of said surface extending substantially parallel to a plane lying in said two orthogonal axes, wherein **[[where]]** moving further includes displacing said body to lie parallel to said plane.

19. (Original) The method as recited in claim 18 further including decoupling movement of said body with respect to said two orthogonal axes so that movement about one of said two axes is substantially independent of movement about the remaining of said two axes.

20. (Original) The method as recited in claim 19 wherein said movement is selected from a set of movements consisting of translation and rotation.

21. (Currently Amended) The method as recited in claim 20 further including mounting said body to a flexure system having first and second axes of rotation and mounting said flexure ~~member~~ system to an actuation system ~~coupled to said flexure system~~ and moving said body with said actuation system to arrange said body to be substantially parallel to a portion of said surface in superimposition therewith.

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